

520 486  
10/520486  
Rec'd PCT/PTO 07 JAN 2005

## (19) World Intellectual Property Organization International Bureau

(43) International Publication Date  
22 January 2004 (22.01.2004)

PCT

(10) International Publication Number  
WO 2004/008472 A2(51) International Patent Classification<sup>7</sup>: H01J 9/00(21) International Application Number:  
PCT/IB2003/002748

(22) International Filing Date: 18 June 2003 (18.06.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
02077835.3 11 July 2002 (11.07.2002) EP

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

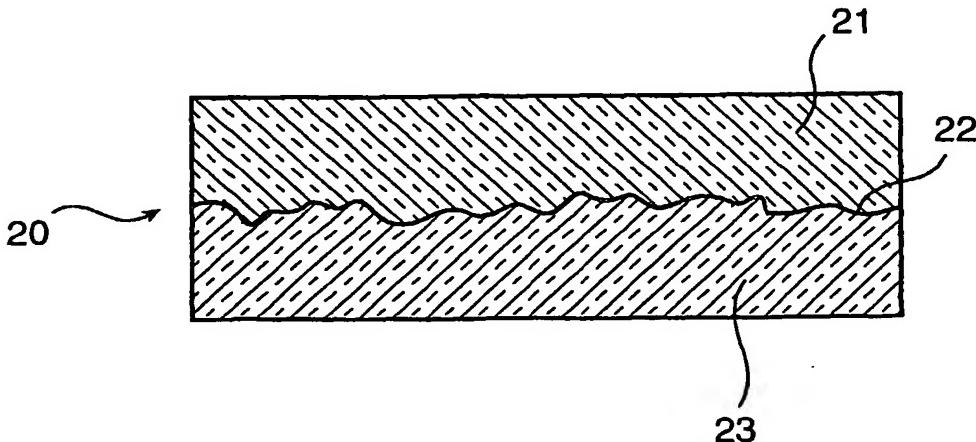
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: LENS SYSTEM FOR MANUFACTURING CRT SCREENS



(57) Abstract: A lens system (10, 20) is disclosed, comprising a first (13, 23) and a second (11, 21) lens. The refractive index of the second lens (11, 21) is higher than that of air, but lower than the refractive index of the first lens (13, 23). The lenses (13, 11, 23, 21) are arranged in direct contact with each other such that a critical refractive interface (22) is formed. The invention provides for exposure of CRT screens with a lower sensitivity to surface roughness, in particular when manufacturing screens with large deflection angles.